6. (AMENDED) The video display of claim 5, wherein S-shaped correction is added in successive steps proceeding from said areas located substantially between said center axis [(7)] and said ones of top and bottom edges [(2,13)], toward said center axis [(7)] and toward said edges [(2,13)], respectively.

7. (AMENDED) The video display of claim 5, wherein said digital words stored in said memory [(104)] represent values derived during alignment of said video display.

8. (AMENDED) The video display of claim 5, wherein said digital words defining displacement values stored in said memory represent values formed by interpolation of displacement values applicable to said grid.

10 (AMENDED) The video display of claim 5, wherein said linear interpolating means generates said intervening values adjacent ones of said displacement values during a display period.

12.(AMENDED) A method for digitally correcting geometric distortion of an image on a display screen, comprising the steps of:

defining a matrix of spaced adjustment points [(A1-P13)] on the display screen, in horizontally spaced vertical columns [(A-P)] of values for local displacement of the image at the adjustment points on the display screen, the values for said columns defining S-shaped vertical correction waveforms having varying slope between adjacent ones of the values;

linearizing the values for at least two areas of the matrix corresponding to a center axis [(7)] and top and bottom edges [(2,13)], and applying progressively greater S-correction proceeding from said center axis and from said edges, to areas of the display screen located substantially between said center axis [(7)] and said edges [(2,13)];

storing the matrix values in a memory [(104)];

reading said stored matrix values; and,

locally displacing said image as a function of said stored matrix values for corresponding adjustment points to correct the image on the display screen such that banding and pincushion distortion are controlled.

13. (AMENDED) The method of claim 12, further comprising linearly interpolating between adjacent ones of the matrix values in said vertical columns [(A-P)] to define correction values for scan lines between the adjustment points, and locally displacing the image between the adjustment points as a function of the linearly interpolated correction values.